

PTO/SB/08A (07-05)
Approved for use through 07/31/2006.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/561,022
Filing Date	December 16, 2005
First Named Inventor	Tadao Saito
Art Unit	1646
Examiner Name	Zachary C. Howard
Attorney Docket Number	SPO-124

Sheet

1

of

2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	U1	US-			
	U2	US-			
	U3	US-			
	U4	US-			
	U5	US-			
	U6	US-			
	U7	US-			
	U8	US-			
	U9	US-			
	U10	US-			
	U11	US-			
	U12	US-			
	U13	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	F1	JP 2002-526028	08-20-2002	GENENTECH INC.	All	
	F2	WO 99/20756 A	04-29-1999	GENENTECH INC.	All	
	F3	WO 03/031573 A2	04-17-2003	COLEY PHARMACEUTICAL GMBH	All	
	F4					
	F5					
	F6					
	F7					

Examiner
Signature

/Zachary Howard/

Date
Considered

08/19/2011

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (07-05)
Approved for use through 07/31/2006.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/561,022
Filing Date	December 16, 2005
First Named Inventor	Tadao Saito
Art Unit	1646
Examiner Name	Zachary C. Howard
Attorney Docket Number	SPO-124

Sheet	2	of	2
-------	---	----	---

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	R1	Database GenBank Accession No. AB071394, "Sus scrofa TLR9 mRNA for Toll-like receptor 9, complete cds," May 21, 2003.	
	R2	Database GenBank Accession No. AY392087, "Sus scrofa toll-like receptor 2 mRNA, complete cds," November 1, 2003	
	R3	CHABOT, S., <i>et al.</i> , "TLRs Regulate the Gatekeeping Functions of the Intestinal Follicle-Associate Epithelium," <i>J Immunol</i> , April 1, 2006, pp. 4275-4283, Vol. 176, No. 7.	
	R4	KITAZAWA, H., <i>et al.</i> , "Discovery of immunostimulatory DNA motifs from lactic acid bacteria and their application to 'Bio-Defense Foods'," <i>Journal of the agricultural chemical society of Japan</i> , 2002, pp. 833-836, Vol. 76, No. 9.	X
	R5	SHIMOSATO, T., <i>et al.</i> , "Toll-like receptor 9 is expressed on follicle-associated epithelia containing M cells in swine Peyer's patches," <i>Immunol Lett.</i> , April 15, 2005, pp. 83-89, Vol. 98, No. 1.	
	R6	SHINKAI, H., <i>et al.</i> , "Biased distribution of single nucleotide polymorphisms (SNPs) in porcine Toll-like receptor 1 (TLR1), TLR2, TLR4, TLR5, and TLR6 genes," <i>Immunogenetics</i> , May 2006, pp. 324-330, Vol. 58, No. 4.	
	R7	TOHNO, M., <i>et al.</i> , "Toll-like receptor 2 is expressed on the intestinal M cells in swine," <i>Biochem Biophys Res Commun.</i> , May 6, 2005, pp. 547-554, Vol. 330, No. 2.	
	R8		
	R9		
	R10		

Examiner Signature	/Zachary Howard/	Date Considered	08/19/2011
--------------------	------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.